Capstone Industry Council Meeting

Welcome – Sue Gardner Opening Remarks

April 12, 2006



Agenda

0800-0915 Information Sharing

OpeningSue Gardner

Garmin SW Upgrade Ray Collins

Helicopter Installations
 Ray Collins

Avionics Maintenance in SE
 Ray Collins

Capstone Coalition Update
 Tom George / Dee Hanson

Nav Database Update
 Sue Gardner

WAASJoAnn Ford

Capstone Services Status
 Mark Olson

ADS-B Off the Glass
 Pat Poe / Sue Gardner

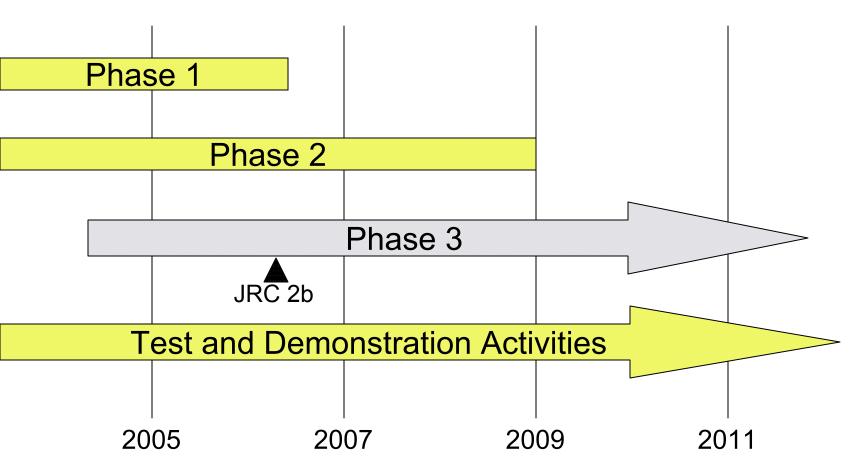
0915-0945 Open Discussion with Special Guest (Rick Day)

0945-1000 Industry Feedback (Roundtable)

Capstone Mission Statement

- ...an Alaska Safety and Capacity Program which seeks near term safety, access and efficiency gains by accelerating implementation and use of new NAS technologies
-links multiple programs and initiatives under a common umbrella for planning, coordination, focus and direction
-develops capabilities and requirements jointly with FAA, the Alaskan community and aviation industry in a manner consistent with future NAS plans and concepts, and implements in a manner leading to self-equipage

Background: Capstone Program Activities



Garmin 5.7 Software Progress in Y-K Delta

Operator	Pilots Trained	Xpondr Acft	
		Equipped/Installed	
Hageland	all active pilots	100%	
Grant	all active pilots	100%	
All Other	54/54	52/52	

Capstone SE Installations

April 11, 2006

Chelton: 90 completed 3 In progress 7 Remaining

Garmin F/W: 35 completed 6 In progress 1 Remaining

Garmin Hel: 7 completed 8 In progress 13 Remaining

GDL90 Ret: 60 completed 4 Remaining

GDL-IDU: 22 completed 25 Remaining

Maintenance in SE Alaska

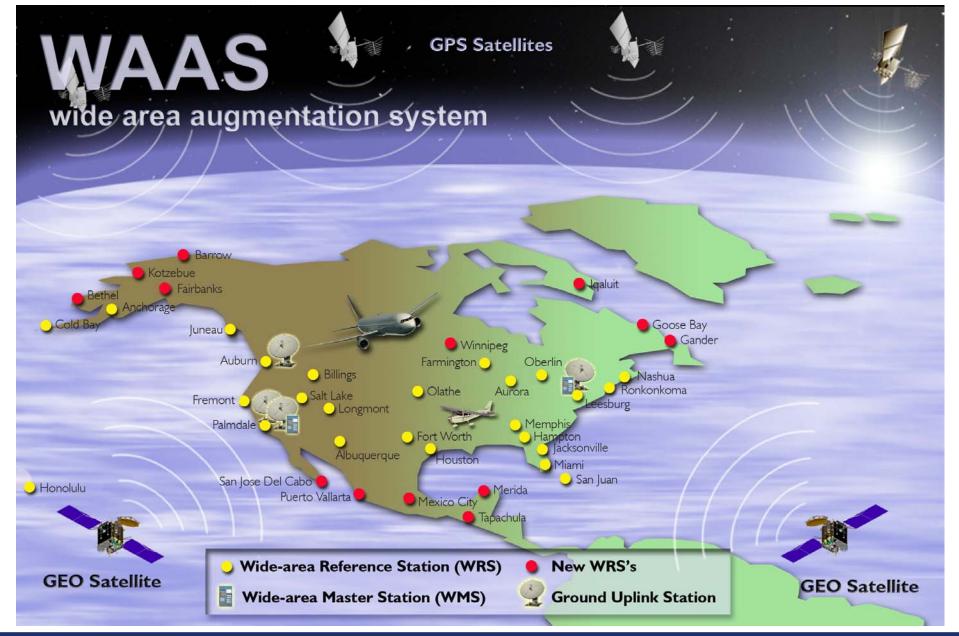
- RFP for maintenance services after 6/30/06 in process
- Maintenance training scheduled to begin in late April

Navigation Data Base Update

- 2003-4: AACA Exemption Petition; allow pilots of members update nav data bases
- May 2005: FAA denied petition no rulemaking by exemption or by association
- December 2005: FAA draft proposed rule to allow this now in coordination
- April 2006: AACA, AEA, SAMA, FAA mtg: Request go forward with rule, or exempt Alaska or Capstone. FAA to respond soon.

WAAS Update

JoAnn Ford

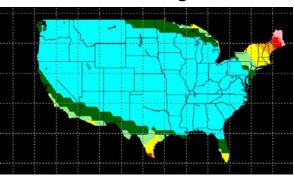


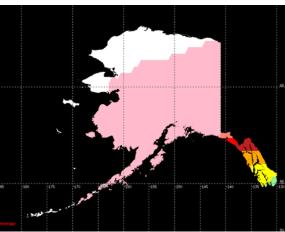
WAAS Schedule

- Improvements to obtain full LPV performance
 - Increase communications capacity September 2005
 - New WRS
 - Alaska
 - Four new sites installed February 2005
 - Operational Summer/Fall 2006
 - Canada
 - Two sites installed Summer 2005, two to be installed Summer 2006
 - Operational 2007
 - Mexico
 - Three sites installed Summer 2005, two to be installed Summer 2006
 - Operational 2007
 - Replace GEO communication links
 - Launched in September and October
 - Operational 1st/2nd Quarter FY07
 - Software integrity monitor improvements to be introduced in 2007 and 2008
 - End state performance will result in greater availability of service

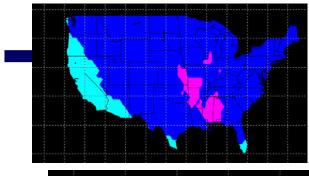
Predicted WAAS Availability Gains

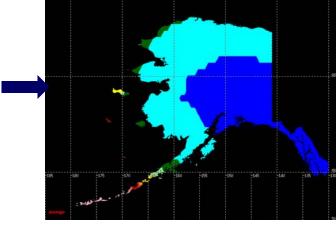






Full Capability - 2008





Availability over the majority of CONUS improves from 99.5% to

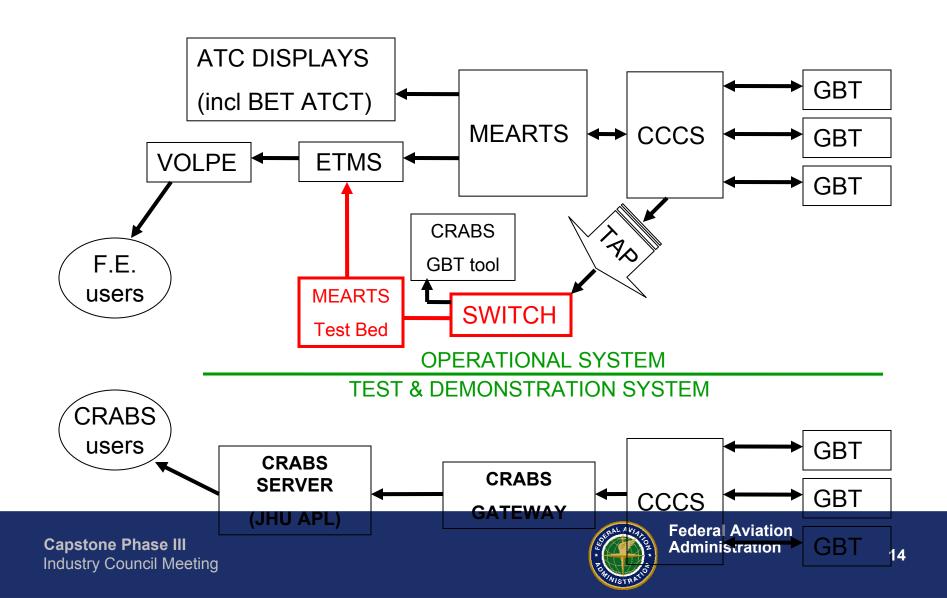
99.9 - 99.95%

- Alaskan availability improves from less than 75% to 99 99.9%
- Significant availability gains in northeast and southern California, Texas, and Florida

FIS-B & OFMS Update

Mark Olson

ADS-B Architecture: OFMS



Capstone Services Status

				Operator FI	Operator Fleet Monitoring	
	ADS-B				VOLPE /	
	Surveillance	FIS-B	TIS-B	CRABS	Flight Explorer	
Phase I: Y-K Delta						
Bethel	% OUT of service	Χ	N/A	X	% OUT of service	
Aniak	% OUT of service	X	N/A	N/A	% OUT of service	
St. Mary's	% OUT of service	X	N/A	N/A	% OUT of service	
Dillingham	% OUT of service	X	N/A	N/A	% OUT of service	
King Salmon	% OUT of service	X	N/A	N/A	% OUT of service	
Unalakleet	# TBD	X	N/A	*	*	
Sparrevohn	# TBD	X	N/A	*	*	
Tatalina	# TBD	Х	N/A	*	*	
Cape Romanzof	# TBD	Х	N/A	*	*	
Cape Newenham	# TBD	\$ OUT of service	N/A	\$ OUT of service	\$ OUT of service	
Site Summit	Spring '06	Х	Х	X	N/A	
Phase II: Southeast						
Juneau	Spring '06	&	N/A	&	N/A	
Yakutat	Summer '06	X	N/A	Х	N/A	
Sisters Island	Summer '06	X	N/A	Х	N/A	
Gustavus	Summer '06	X	N/A	X	N/A	
Lena Point	Summer '06	Х	N/A	Х	N/A	
Biorka	Summer '06	X	N/A	Х	N/A	
Gunnuk	Summer '06	&	N/A	&	N/A	
Wrangel	Summer '06	&	N/A	&	N/A	
Angoon	Summer '06	X	N/A	Х	N/A	
Haines	Summer '06	Х	N/A	Х	N/A	

ADS-B Off the Glass

Pat Poe Sue Gardner

Impact of ADS-B off the Glass (in today's environment)

- Airborne Services Impact
 - No Impact
- Ground-Based Services Impact
 - Loss of ATC Services
 - VFR Flight Following by controllers (workload permitting)
 - IFR surveillance using surveillance separation standards
 - Loss of non-ATC Services
 - Search and Rescue enhancement through flight tracking
 - Flight Monitoring of aircraft locations by operators / owners

Status

- FAA proactive approach
 - Rick Day visit to Alaska, week of April 10th
 - Safety Assessment Team visit week of April 17th
 - Safety Assessment of ADS-B targets on Controller Displays at ZAN
 - Alternate data path for Fleet Monitoring Services

Capstone Coalition Update

Tom George
Dee Hanson